(Filed after payment of issue fee)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

DOCKET NO.: 0050.1613-002

Applio	cant: Alan J. Kirby
Divisi	onal Application of Application No.: 09/376,504 Filed: August 18, 1999
For:	HYBRID ELECTRONIC/OPTICAL SWITCH SYSTEM
	Date: 9.12.03
	EXPRESS MAIL LABEL NO. EV 215 729374 US
	INFORMATION DISCLOSURE STATEMENT
P.O. B	issioner for Patents ox 1450 ndria, VA 22313-1450
Sir:	
This I	information Disclosure Statement is submitted: under 37 CFR 1.129(a), or (First/Second submission after Final Rejection)
[X]	under 37 CFR 1.97(b), or (Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).
[]	under 37 CFR 1.97(c) together with either:
	[] a Statement under 37 CFR 1.97(e), as checked below, or
	[] a \$180.00 fee under 37 CFR 1.17(p), or (After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
[]	under 37 CFR 1.97(d) together with:
	[] a Statement under 37 CFR 1.97(e), as checked below, and
	[] a \$180.00 fee under 37 CFR 1.17(p), or (Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)
[]	under 37 CFR 1.97(i):

Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.

Stater	nent Unc	<u>aer 3 / C</u>	FR 1.97(e)	
[]	any co	mmunic	information contained in this Information Disclosure Statement was first cited in cation from a foreign patent office in a counterpart foreign application not more on the filing of this Information Disclosure Statement; or	
[]	knowless	unicatio edge of informa	formation contained in this Information Disclosure Statement was cited in a in from a foreign patent office in a counterpart foreign application, and, to the the undersigned, after making reasonable inquiry, no item of information contain tion disclosure statement was known to any individual designated in 37 CFR han three months prior to the filing of this Information Disclosure Statement.	ned
Stater	nent Un	der 37 C	(Patent Term Adjustment) Applies to original applications (other than design) filed on or after May 29, 20	000
[]	comm was no	unication ot receive	information contained in the Information Disclosure Statement was cited in a son from a foreign patent office in a counterpart application and this communication ded by any individual designated in § 1.56(c) more than thirty days prior to the aformation Disclosure Statement.	on
[X]	Enclos	sed here	with is form PTO-1449:	
	[]	Copies	s of the cited references are enclosed.	
	[X]	Applic	s of cited references are enclosed except those entered in prior application, U.S. cation No. 09/376,504, to which priority under 35 U.S.C. 120 is claimed. [The application contains copies of the cited references.]	
	[]	The lis	sted references were cited in the enclosed International Search Report in a expart foreign application.	
	[]	The "c under	concise explanation" requirement (non-English references) for reference(s) [37 CFR 1.98(a)(3) is satisfied by:]
		[]	the explanation provided on the attached sheet.	
		[]	the explanation provided in the Specification.	
Stateme		[]	submission of the enclosed International Search Report.	
		[]	submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.	rt
		[]	the enclosed English language abstract.	

[]	Applic	cant requests that the following n	on-published pending applic	cations be considered:
Examiner's Initials				
		U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
		U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
		U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
		Examiner	Date	-
	[]	A copy of each above-cited app	olication, including the curre	nt claims, is enclosed.
	[]	A copy of each above-cited app those entered in prior application 35 U.S.C. 120 is claimed.	olication, including the curre on, U.S. Application No. [nt claims, is enclosed, except], to which priority under
The Ererer	xamine nces we	r is requested to return a copy of re considered with the next offic	the above list of pending apple communication.	plications indicating which
It is re	quested	that the information disclosed h	erein be made of record in the	nis application.
Metho	d of pa	yment:		
[]		ck for the fee noted above is enclopenations. A copy of this S		cluded in the check with the
[]	Please	charge Deposit Account 08-038 ed.	0 in the amount of \$[. A copy of this Statement is
[X]	Please	charge any deficiency in fees an	d credit any overpayment to	Deposit Account 08-0380.
		F	Respectfully submitted,	
		I	IAMILTON, BROOK, SMI	TH & REYNOLDS, P.C.
		E	James M. Smith Registration No.: 28,043 Telephone: (978) 341-0036 Facsimile: (978) 341-0136	

Concord, MA 01742-9133 Dated: 9/12/3

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION

September 2, 2003

(Use several sheets if necessary)

ATTORNEY DOCKET NO. 0050.1613-002	DIV. OF APPLICATION NO. 09/376,504			
APPLICANT Alan J. Kirby				
FILING DATE	CONFIRMATION NO.	GROUP		

		U.	S. PATENT DOCUMENTS	
EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER	ISSUE DATE / PUBLICATION DATE	NAME
	AA	4,873,681	10/10/89	Arthurs et al.
	AB	5,077,727	12/31/91	Suzuki
	AC	5,327,423	07/05/94	Audouin et al.
	AD	5,351,146	09/27/94	Chan et al.
	AE	5,438,445	08/01/95	Nakano
	AF	5,479,287	12/26/95	Johansen et al.
	AG	5,504,609	04/02/96	Alexander et al.
	АН	5,541,756	07/30/96	Chang-Hasnain et al.
	ΑΙ	5,559,625	09/24/96	Smith et al.
	AJ	5,712,932	01/27/98	Alexander et al.
	ΑK	5,712,942	01/27/98	Jennings et al.
	AA2	5,726,783	03/10/98	Cooper et al.
	AB2	5,485,297	01/16/96	Sotom
	AC2	5,774,244	06/30/98	Tandon et al.
	AD2	5,801,861	09/01/98	Majima
	AE2	5,847,852	12/08/98	Domon et al.
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	AG2	5,500,860	03/19/96	Perlman et al.
	AH2	5,796,740	08/18/98	Perlman et al.
	Al2	5,892,924	04/06/99	Lyon et al.
	AJ2			
	AK2			
	AA3			
	AB3			
	AC3			

EXAMINER	DATE CONSIDERED

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FOREIGN PATENT DOCUMENTS						
DOCUMENT NUMBER		DATE	COUNTRY TRANSLA		ATION NO	
А	AL.	0 614 291 A1	07-SEP-94	EPO		

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
AR	Alexander, S. B., et al., "A Precompetitive Consortium on Wide-Band All-Optical Networks," J. of Lightwave Technology, pp. 714-735 (May-June, 1993).
AS	Kaminow, I. P., et al., "A Wideband All-Optical WDM Network," <i>IEEE Jour. on Selected Areas in Communications</i> , pp. 780-799 (1996, June).
AT	Nishio, M., and Suzuki, S., "WD&MMT Switching Networks in Combination with Photonic and Electronic Switching Technique," <i>IEEE</i> , pp. 0590-0596 (1991).
AU	Lentine, A. L., et al., "Optoelectronic ATM Switch Employing Hybrid Silicon CMOS/GaAs FET-SEEDs," SPIE, pp. 100-108 (1996, February).
AV	Parry, G., et al., "Optical Switching Networks for Communication Systems," Dept. of Electronic & Electrical Engineering, Univ. College London, pp. 189-206.
AW	Chan, V.W.S., et al., "Architectures and Technologies for High-Speed Optical Data Networks," J. of Lightwave Technology, pp. 2146-2168 (1998, December).
AY	Mei, Y., and Qiao, C., "Efficient Distributed Control Protocols for WDM All-Optical Networks," Abstract, Dept. of ECE, SUNY at Buffalo, pp. 1-4.
AY	Dubinsky, Y., and Segall, A., "A Flexible Rerouting Protocol in ATM Networks," <i>IEEE</i> , pp. 1488-1496 (1999, June).
AZ	Ayanoglu, E., "Reduction of Restoration Capacity Requirements in Advanced Optical Networks," GlobeCom '95, IEEE Global Tele-communications Conf., Singapore, pp. 1018-1022 (Nov. 14- Nov. 16, 1995).
AR2	Widjaja, I., et al., "Scalability Evaluation of Multi-Protocol Over ATM (MPOA)," IEEE, pp. 1505-1512 (1999, June).

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	AS2	Castanon, G. A., and Tonguz, O. K., "Combined Teletraffic/Transmission Performance of Optical Cross-Connected Networks Using Hybrid-Store-and Forward," Globecom 97, IEEE Telecommunications Conf., pp. 856-862 (1997, August).
	AT2	Bannister, J., et al., "How Many Wavelengths Do We Really Need In An Internet Optical Backbone?," November 1998.
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	AV2	"WDM Technology Meets IP Switching," http://www.comsoc.org/tcgn/conference/gbn99/bannister-presentation.pdf, March 1998.
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